ELSEVIER

Journal of Luminescence 79 (1998) 292–294

JOURNAL OF LUMINESCENCE

Index of Authors and Papers

Aguiló, M., see C. Zaldo 79 (1998) 127
Alonso, M.T., see J.C. Rodríguez-Ubis, 79 (1998) 121
Arakawa, Y., see K. Hoshino 79 (1998) 39

Basiev, T.T., see W. Beck 79 (1998) 241
Beck, W., V.V. Fedorov, D. Ricard, C. Flytzanis, T.T. Basiev, Electron trapping by self-trapped hole pairs and small rare-earth clusters in Sm-doped CaF_2 79 (1998) 241
Beneitez, P., see M. Urbina 79 (1998) 21
Bennett, B.L., see D.W. Cooke 79 (1998) 185
Berdowski, J., see O. Rybak 79 (1998) 257
Bibeau, C., see S.A. Payne 79 (1998) 143
Bilyi, Ya.M., see O. Rybak 79 (1998) 257
Blonskii, I.V., see O. Rybak 79 (1998) 257
Bogner, R.H., see A.I. Harianawala 79 (1998) 215
Bogner, R.H., see A.I. Harianawala 79 (1998) 97
Brunet, E., see J.C. Rodríguez-Ubis, 79 (1998) 121
Buchynskii, P.P., see B.V. Padlyak 79 (1998) 1

Calderón, T., see M. Urbina 79 (1998) 21
Caldiño García, U., see A. Méndez 79 (1998) 269
Camarillo, E., see A. Méndez 79 (1998) 269
Chin, M.-K., C.-P. Luo, Photoluminescence study of interface microroughness and exciton transfer in growth-interrupted single quantum wells 79 (1998) 233
Cireş, L., H. Ofenberg, T. Nicolaescu, C. Crăiţă, A. Pollet, Substituent influence on the fluorescence spectra of 2,3-diphenylbenzo[b]furan derivatives 79 (1998) 91
Cooke, D.W., R.E. Muenchausen, B.L. Bennett, K.J. McClellan, A.M. Portis, Temperature-dependent luminescence of cerium-doped ytterbium oxyorthosilicate 79 (1998) 185
Crăiţă, C., see Cireş, L. 79 (1998) 91

de Carvalho, I.M.M., see S.E. Mazzetto 79 (1998) 47
Deperasinska, I., J. Prochorow, J. Dresner, The analysis of excited-state equilibria of weak electron donor–acceptor systems: Tetracyanobenzene–toluene complex 79 (1998) 65
Díaz, F., see C. Zaldo 79 (1998) 127
Dresner, J., see I. Deperasinska 79 (1998) 65
Drozdowski, W., see A.J. Wojtowicz 79 (1998) 275

Edelstein, N.M., see K.M. Murdoch 79 (1998) 55

Fedorov, V.V., see W. Beck 79 (1998) 241
Flytzanis, C., see W. Beck 79 (1998) 241

Ganguly, T., see S. Sinha 79 (1998) 201
Garapon, C., L. Lou, R. Moncorge, Site-selective spectroscopy of Nd^{3+} in lanthanum magnesium hexaaluminate $LaMgAl_{11}O_{19}$ single crystals 79 (1998) 161
Gehlen, M.H., see S.E. Mazzetto 79 (1998) 47
Glodo, J., see A.J. Wojtowicz 79 (1998) 275
Gołąb, S., see L. Macalik 79 (1998) 9
Grinberg, M., see B.V. Padlyak 79 (1998) 1
Gudkov, N.D., Some thermodynamics of chemiluminescence 79 (1998) 85
Guerrero, R., see A. Méndez 79 (1998) 269
Gutsze, A., see B.V. Padlyak 79 (1998) 1

Hanuza, J., see L. Macalik 79 (1998) 9
Harianawala, A.I., R.H. Bogner, Sensitivity and selectivity of p-(N-dimethylamino cinnamylidene) malononitrile, 6-propionyl-2-(dimethylamino) naphthalene (PRODAN) and fluorescein 79 (1998) 97
Harianawala, A.I., R.H. Bogner, Correction for the dielectric constant of pH values in heterogeneous solutions obtained from fluorescein fluorescence 79 (1998) 215

Hasegawa, Y., see M. Iwamuro 79 (1998) 29
Hoshino, K., H. Kimura, T. Uchida, N. Kamata, K. Yamada, M. Nishioka, Y. Arakawa, Distribution of below-gap states in undoped GaAs/AlGaAs quantum wells revealed by two-wavelength excited photoluminescence 79 (1998) 39

Ikari, T., see S. Shigetomi 79 (1998) 79
Ito, S., see N. Ohta 79 (1998) 177
Iwamuro, M., Y. Hasegawa, Y. Wada, K. Murakoshi, N. Nakashima, T. Yamanaka, S. Yanagida, Luminescence of Nd^{3+} complexes with some asymmetric ligands in organic solutions 79 (1998) 29

Jia, W., see J. Yu 79 (1998) 191
Juanes, O., see J.C. Rodríguez-Ubis, 79 (1998) 121

Kamata, N., see K. Hoshino 79 (1998) 39
Kanada, T., see N. Ohta 79 (1998) 177
Kasperczyk, J., see O. Rybak 79 (1998) 257
Kimura, H., see K. Hoshino 79 (1998) 39
Kityk, I.V., see O. Rybak 79 (1998) 257
Klinosky, M.P., see D.V. Roberts 79 (1998) 225
Koepke, Cz., see B.V. Padlyak 79 (1998) 1
Kotelevskiy, S.I., The true refractive index correction to the fluorescence intensity in the commercial fluorescence spectrophotometer 79 (1998) 211
Kutsyk, M.V., M.S. Pidzyrailo, On the luminescence of $TlCdI_3$ crystal 79 (1998) 135

Liu, H., see J. Yu 79 (1998) 191
Lou, L., see C. Garapon 79 (1998) 161
Lun, Yu., see O. Rybak 79 (1998) 257
Luo, C.-P., see M.-K. Chin 79 (1998) 233

Macalik, B., see L. Macalik 79 (1998) 9
Macalik, L., J. Hanuza, B. Macalik, W. Ryba-Romanowski, S. Gołąb, A. Pietraszko, Optical spectroscopy of Dy^{3+} ions doped in $KY(WO_4)_2$ crystals 79 (1998) 9
Makowska-Janusik, M., see O. Rybak 79 (1998) 257
Martín, M.J., see C. Zaldo 79 (1998) 127
Massons, J., see C. Zaldo 79 (1998) 127
Mazzetto, S.E., I.M.M. de Carvalho, M.H. Gehlen, Inhomogeneous decay kinetics of $Ru(bpy)_3^{2+}$ incorporated into nafion film 79 (1998) 47
McClellan, K.J., see D.W. Cooke 79 (1998) 185
Méndez, A., F. Ramos, R. Guerrero, E. Camarillo, U. Caldiño García, Energy transfer mechanisms in the $NaBr:Sn^{2+}:Mn^{2+}$ phosphor 79 (1998) 269
Mel'chakov, E.N., see A.S. Voloshinovskii 79 (1998) 107
Mikhailik, M.S., see A.S. Voloshinovskii 79 (1998) 107
Mikhailik, V.B., see A.S. Voloshinovskii 79 (1998) 107
Mikhailik, V.B., see A.S. Voloshinovskii 79 (1998) 115
Millán, A., see M. Urbina 79 (1998) 21
Moncorge, R., see C. Garapon 79 (1998) 161
Muenchausen, R.E., see D.W. Cooke 79 (1998) 185
Murakoshi, K., see M. Iwamuro 79 (1998) 29
Murdoch, K.M., A.-D. Nguyen, N.M. Edelstein, One- and two-photon spectroscopy of Eu^{3+} in $LuPO_4$ 79 (1998) 55

Nakashima, H., see S. Shigetomi 79 (1998) 79
Nakashima, N., see M. Iwamuro 79 (1998) 29
Nguyen, A.-D., see K.M. Murdoch 79 (1998) 55
Nicolaescu, T., see Cireş, L. 79 (1998) 91
Nishioka, M., see K. Hoshino 79 (1998) 39

Ofenberg, H., see Cireş, L. 79 (1998) 91
Ohta, N., T. Kanada, I. Yamazaki, S. Ito, S. Suzuka, External electric field effects on fluorescence of a mixture of pyrene and C_{60} in PMMA polymer films and in thin solid films 79 (1998) 177

Padlyak, B.V., Cz. Koepke, K. Wiśniewski, M. Grinberg, A. Gutsze, P.P. Buchynskii, Spectroscopic evaluation of the CGG ($CaO–Ga_2O_3–GeO_2$) glass doped with chromium 79 (1998) 1
Payne, S.A., C. Bibeau, Picosecond nonradiative processes in neodymium-doped crystals and glasses: Mechanism for the energy gap law 79 (1998) 143
Pidzyrailo, M.S., see M.V. Kutsyk 79 (1998) 135
Pietraszko, A., see L. Macalik 79 (1998) 9
Pollet, A., see Cireş, L. 79 (1998) 91
Portis, A.M., see D.W. Cooke 79 (1998) 185
Prochorow, J., see I. Deperasinska 79 (1998) 65
Przegietka, K.R., see A.J. Wojtowicz 79 (1998) 275

Ramos, F., see A. Méndez 79 (1998) 269
Ricard, D., see W. Beck 79 (1998) 241
Rico, M., see C. Zaldo 79 (1998) 127

Roberts, D.V., B.P. Wittmershaus, Y.-Z. Zhang, S. Swan, M.P. Klinosky, Efficient excitation energy transfer among multiple dyes in polystyrene microspheres 79 (1998) 225
Rodnyi, P.A., see A.S. Voloshinovskii 79 (1998) 107
Rodnyi, P.A., see A.S. Voloshinovskii 79 (1998) 115
Rodríguez-Ubis, J.C., M.T. Alonso, O. Juanes, R. Sedano, E. Brunet, The discovery of a simple ligand based on acetophenone bearing excellent quantum yields for the excitation of Eu^{3+} and Tb^{3+} 79 (1998) 121
Ryba-Romanowski, W., see L. Macalik 79 (1998) 9
Rybak, O., I.V. Blonskii, Ya.M. Bilyi, Yu. Lun, M. Makowska-Janusik, J. Kasperczyk, J. Berdowski, I.V. Kityk, B. Sahraoui, Luminescent spectra of PbI_2 single crystals-doped by 3d-metal impurities 79 (1998) 257

Sahraoui, B., see O. Rybak 79 (1998) 257
Sedano., R., see J.C. Rodríguez-Ubis, 79 (1998) 121
Shigetomi, S., T. Ikari, H. Nakashima, Characterization of phosphorus in layer semiconductor GaSe 79 (1998) 79
Sinha, S., T. Ganguly, Investigations on the photophysical properties of 2-methylindole and 2-methylindoline in various environments. Studies on the nature of non-radiative transitions in presence of the electron acceptor 2-nitrofluorene 79 (1998) 201
Struk, Ya.O., see A.S. Voloshinovskii 79 (1998) 115
Suzuka, I., see N. Ohta 79 (1998) 177
Swan, S., see D.V. Roberts 79 (1998) 225

Thilagam, A., Exciton lifetimes due to spontaneous emission in free space 79 (1998) 249

Uchida, T., see K. Hoshino 79 (1998) 39
Urbina, M., A. Millán, P. Beneitez, T. Calderón, Dose rate effect in calcite 79 (1998) 21

van Eijk, C.W.E., see A.S. Voloshinovskii 79 (1998) 107
van Eijk, C.W.E., see A.S. Voloshinovskii 79 (1998) 115
Voloshinovskii, A.S., M.S. Mikhailik, V.B. Mikhailik, E.N. Mel'chakov, P.A. Rodnyi, C.W.E. van Eijk, G. Zimmerer, Impurity core–valence luminescence in $Rb_{1-x}Cs_xCl$ mixed crystals 79 (1998) 107
Voloshinovskii, A.S., V.B. Mikhailik, Ya.O. Struk, P.A. Rodnyi, C.W.E. van Eijk, G. Zimmerer, Core-valence luminescence in disordered lithium-cesium chloride 79 (1998) 115

Wada, Y., see M. Iwamuro 79 (1998) 29
Wang, Y., see J. Yu 79 (1998) 191
Wiśniewski, K., see B.V. Padlyak 79 (1998) 1
Wittmershaus, B.P., see D.V. Roberts 79 (1998) 225
Wojtowicz, A.J., J. Glodo, W. Drozdowski, K.R. Przegietka, Electron traps and scintillation mechanism in $YAlO_3$:Ce and $LuAlO_3$:Ce scintillators 79 (1998) 275

Yamada, K., see K. Hoshino 79 (1998) 39
Yamanaka, T., see M. Iwamuro 79 (1998) 29
Yamazaki, I., see N. Ohta 79 (1998) 177
Yanagida, S., see M. Iwamuro 79 (1998) 29
Yu, J., H. Liu, Y. Wang, W. Jia, Hot luminescence of Mn^{2+} in ZnS nanocrystals 79 (1998) 191

Zaldo, C., M. Rico, M.J. Martín, J. Massons, M. Aguiló, F. Díaz, Infrared photoluminescence of Nd^{3+} multicenters in $KTiOPO_4$ crystals 79 (1998) 127
Zhang, Y.-Z., see D.V. Roberts 79 (1998) 225
Zimmerer, G., see A.S. Voloshinovskii 79 (1998) 107
Zimmerer, G., see A.S. Voloshinovskii 79 (1998) 115

ELSEVIER

Journal of Luminescence 79 (1998) 295–296

JOURNAL OF LUMINESCENCE

Subject Index

3d-metal dopants 257

Accurate pH 215
Artificial light-harvesting 225
Asymmetric ligand 29

Below-gap excitation 39
Bound exciton 135
Bulk semiconductor 79

Charge transfer 185
Chemiluminescence 85
Core excitons 107
Core-valence luminescence 107, 115
Correction method 215
Crystal structure 9
Crystal-field analysis 55

Decay time 135
Deviation 211
Dielectric constant 97, 215

Electric field effect 177
Electron donor–acceptor complexes 65
Electron transfer 201
Electron–phonon 257
Energy transfer 201, 269
Energy-gap law 143
Enhancement of absorbance 29
Entropy of radiation 85
Exciplex 177
Excitation energy transfer 177
Excited-state absorption 1
Excited-state equilibria 65
Excitons 233, 249

Fluorescence intensity 211
Fluorescence line narrowing 161
Fluorescence quenching 201
Fluorescence spectra 91, 269
Fluorescence spectrophotometer 211
Fluorescence 225
Fluorescent probe 225

Growth interruption 233

Hot luminescence 191

Impurity level 79
Inorganic glasses 1

Lifetime 249
Liquid helium temperature 257
Luminescence lifetimes 47
Luminescent probes 121

Microroughness 233
Microviscosity 97
Mixed crystals 107, 115

Nanocrystals 191
Neutron detection 115
Nonradiative decay 143
Nonradiative recombination 39

Optical properties 9

pK_a 215
pH 97
Photoinduce electron transfer 177
Photoionization 241
Photoluminescence 39, 135
Polarization analysis 55
Polarization 201

Quantum wells 39, 233, 249
Quantum yield 85, 121

Radioluminescence 185, 275
Rare earth ions 241
Re-irradiation 21
Refractive index correction 211

Scintillation 275
Scintillators 185, 275
Self-trapped excitons 115, 135
Self-trapped holes 241
Site-selective spectroscopy 161
Solid state laser materials 161
Solid-state spectroscopy 1
Spectroscopy 107, 115
Square-law 211
Substituent effects 91
Temperature dependence 107
Temperature effect 47
Thermodynamic limitations 85
Thermoluminescence 21, 275
Transient quenching 201
Two-photon absorption 55

Wavelength converter 225

X-ray excitation 135

ELSEVIER

Journal of Luminescence 79 (1998) 297

JOURNAL OF LUMINESCENCE

Materials Index

2,3-Diphenylbenzofurans 91
6-propionyl-2-(dimethylamino) naphthalene (PRODAN) 97

Calcite 21
Cr^{3+} 1
CsCl 107, 115

Dy^{3+} 9

Fluorescein 97, 215

GaAs/AlGaAs 39
GaSe 79

Hydroxypropyl methylcellulose phthalate (HPMCP-50) 215

$KTiOPO_4$ 127
$KY(WO_4)_2$ 9

Lanthanide(III) chelates 121
$Li_{1-x}Cs_xCl$ 115
LiCl 115
$LuAlO_3$:Ce (LuAP:Ce) 275

$NaBr:Sn^{2+}:Mn^{2+}$ 269
$NaBr:Sn^{2+}$ 269
Nafion 47
Nd-doped materials 143
Neodymium photoluminescence 127
Neodymium 29

Optical materials 9

p-(N-dimethylamino cinnamylidene) malononitrile 97
PbI_2 257
Phenanthrobenzofurans 91

$Rb_{1-x}Cs_xCl$ 107
RbCl 107
Ruthenium complex 47

$TlCdI_3$ crystal 135

$YAlO_3$:Ce (YAP:Ce) 275
Yb_2SiO_5:Ce 185

$ZnS:Mn^{2+}$ 191